

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	okase.in. and 392/418.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/04 14:00
L2	16	ohkase.in.	US-PGPUB; USPAT	OR	ON	2005/04/04 14:00
S1	8	"5562800".URPN.	USPAT	OR	ON	2004/08/09 09:03
S2	2	"6178660".URPN.	USPAT	OR	ON	2004/08/09 09:13
S3	1	"6467491".URPN.	USPAT	OR	ON	2004/08/09 09:14
S4	6	("5228206"   "5972161"   "6143081"   "6178660"   "6204120"   "6232248").PN.	USPAT	OR	ON	2004/08/09 09:14
S5	13	("4795299"   "4917556"   "5228206"   "5423971"   "5529657"   "5611861"   "5755938"   "5759334"   "5855675"   "5863170"   "5880924"   "5882165"   "5886864").PN.	USPAT	OR	ON	2004/08/09 09:15
S6	15	("5512320"   "5609689"   "5902088"   "5909994"   "5944857"   "5997588"   "6048154"   "6059893"   "6110232"   "6113698"   "6140256"   "6202318"   "6235656"   "6338626"   "6435868").PN.	USPAT	OR	ON	2004/08/09 09:21
S7	117	118/719.ccls. and ((gate valve slit) with passage\$3)	US-PGPUB; USPAT	OR	ON	2003/07/24 16:11
S8	369	414/939.ccls. and ((gate valve slit))	US-PGPUB; USPAT	OR	ON	2004/02/16 14:25
S9	1403	((118/719) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/24 16:14
S10	405	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ((gate valve slit) same ((transfer\$4 transport\$4) with chamber))	US-PGPUB; USPAT	OR	ON	2003/07/24 16:58
S11	241	414/939.ccls. and ((gate valve slit) same ((transfer\$4 transport\$4) with chamber))	US-PGPUB; USPAT	OR	ON	2003/07/24 17:04
S12	6	("3761709"   "3874525"   "3958124"   "4227080"   "4749868"   "4763005").PN.	USPAT	OR	ON	2003/07/24 16:24
S13	7	"4948979".URPN.	USPAT	OR	ON	2003/07/24 16:24
S14	318	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ((gate shutter slit) same ((transfer\$4 transport\$4) with chamber))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:02
S15	247	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ((gate shutter slit) same ((transfer\$4 transport\$4) with chamber))) not (414/939.ccls. and ((gate valve slit) same ((transfer\$4 transport\$4) with chamber)))	US-PGPUB; USPAT	OR	ON	2003/07/24 16:59
S16	1746	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/25 11:31
S17	32	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (shutter same ((transfer\$4 transport\$4) with chamber))	US-PGPUB; USPAT	OR	ON	2003/07/24 17:09
S18	80	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (shutter with chamber)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:09
S19	54	((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (shutter with chamber)) not (((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (shutter same ((transfer\$4 transport\$4) with chamber)))	US-PGPUB; USPAT	OR	ON	2003/07/24 17:10
S20	11	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.) and ((shutter gate valve slit) same liner)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:18
S21	8128	((shutter gate valve slit) same liner)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:18
S22	1572	((shutter gate valve slit) same liner same chamber)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:18
S23	118	((shutter (valve with (gate slit))) same liner same chamber)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:20

S24	19	((shutter (valve with (gate slit))) same liner same chamber)	EPO; JPO; DERWENT	OR	ON	2003/07/24 17:24
S25	1	("6192827").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/24 17:24
S26	41	(US-6245152-\$ or US-6093252-\$ or US-5968274-\$ or US-5474641-\$ or US-5462603-\$ or US-5397395-\$ or US-5374313-\$ or US-5314574-\$ or US-4927484-\$ or US-4566403-\$ or US-6403924-\$ or US-6309161-\$ or US-6287386-\$ or US-6267545-\$ or US-6095741-\$ or US-5997588-\$ or US-5951770-\$ or US-5934856-\$ or US-5556147-\$ or US-5636963-\$ or US-5609689-\$ or US-5562800-\$ or US-5445491-\$ or US-5364219-\$ or US-5310410-\$ or US-5303671-\$).did. or (US-5145303-\$ or US-5076205-\$ or US-4990047-\$ or US-4948979-\$ or US-4503807-\$ or US-5112185-\$ or US-5065698-\$ or US-4800174-\$ or US-4709655-\$ or US-6192827-\$).did. or (US-20020031420-\$ or US-20030013315-\$).did. or (JP-2000114179-\$).did. or (WO-200229877-\$ or US-6192827-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/07/24 17:55
S27	1	((US-6245152-\$ or US-6093252-\$ or US-5968274-\$ or US-5474641-\$ or US-5462603-\$ or US-5397395-\$ or US-5374313-\$ or US-5314574-\$ or US-4927484-\$ or US-4566403-\$ or US-6403924-\$ or US-6309161-\$ or US-6287386-\$ or US-6267545-\$ or US-6095741-\$ or US-5997588-\$ or US-5951770-\$ or US-5934856-\$ or US-5556147-\$ or US-5636963-\$ or US-5609689-\$ or US-5562800-\$ or US-5445491-\$ or US-5364219-\$ or US-5310410-\$ or US-5303671-\$).did. or (US-5145303-\$ or US-5076205-\$ or US-4990047-\$ or US-4948979-\$ or US-4503807-\$ or US-5112185-\$ or US-5065698-\$ or US-4800174-\$ or US-4709655-\$ or US-6192827-\$).did. or (US-20020031420-\$ or US-20030013315-\$).did. or (JP-2000114179-\$).did. or (WO-200229877-\$ or US-6192827-\$). did.) and (gas with curtain)	US-PGPUB; USPAT	OR	ON	2003/07/24 17:49
S28	11	((US-6245152-\$ or US-6093252-\$ or US-5968274-\$ or US-5474641-\$ or US-5462603-\$ or US-5397395-\$ or US-5374313-\$ or US-5314574-\$ or US-4927484-\$ or US-4566403-\$ or US-6403924-\$ or US-6309161-\$ or US-6287386-\$ or US-6267545-\$ or US-6095741-\$ or US-5997588-\$ or US-5951770-\$ or US-5934856-\$ or US-5556147-\$ or US-5636963-\$ or US-5609689-\$ or US-5562800-\$ or US-5445491-\$ or US-5364219-\$ or US-5310410-\$ or US-5303671-\$).did. or (US-5145303-\$ or US-5076205-\$ or US-4990047-\$ or US-4948979-\$ or US-4503807-\$ or US-5112185-\$ or US-5065698-\$ or US-4800174-\$ or US-4709655-\$ or US-6192827-\$).did. or (US-20020031420-\$ or US-20030013315-\$).did. or (JP-2000114179-\$).did. or (WO-200229877-\$ or US-6192827-\$). did.) and (vacuum with transfer with chamber)	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/07/24 18:12
S29	458	118/719.ccls. and (ensur\$4 vacuum with transfer with chamber)	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/07/24 18:12
S30	220	118/719.ccls. and (maintain\$3 with ensur\$4 vacuum with transfer with chamber)	US-PGPUB; USPAT	OR	OFF	2003/07/24 18:13
S31	47	118/719.ccls. and (maintain\$3 with ensur\$4 vacuum with transfer with chamber with impurities)	US-PGPUB; USPAT	OR	OFF	2003/07/24 18:14
S32	34	118/719.ccls. and (maintain\$3 with vacuum with transfer with chamber )	US-PGPUB; USPAT	OR	OFF	2003/07/24 18:19
S33	2	118/719.ccls. and (impurit\$3 with vacuum with transfer with chamber )	US-PGPUB; USPAT	OR	OFF	2003/07/24 18:19
S34	3	((("6352611") or ("5680013") or ("6123791")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/25 10:11

S38	0	10/132,767	US-PGPUB; USPAT	OR	ON	2003/07/25 11:23
S39	1746	((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/07/25 11:31
S40	17	((((118/719) or (414/939) or (156/345.31) or (156/345.32)). CCLS.) and (((inert gas) with (curtain)) same (vacuum evacuat\$3 exhaust\$3))	US-PGPUB; USPAT	OR	ON	2003/07/25 11:42
S41	70	(transfer\$4 with chamber) and (((inert gas) with (curtain)) same (vacuum evacuat\$3 exhaust\$3))	US-PGPUB; USPAT	OR	ON	2003/07/25 11:43
S42	60	((transfer\$4 with chamber) and (((inert gas) with (curtain)) same (vacuum evacuat\$3 exhaust\$3))) not (((118/719) or (414/939) or (156/345.31) or (156/345.32)).CCLS.) and (((inert gas) with (curtain)) same (vacuum evacuat\$3 exhaust\$3)))	US-PGPUB; USPAT	OR	ON	2003/07/25 11:44
S43	13	"5592581".URPN.	USPAT	OR	ON	2003/07/25 11:49
S44	8	("4533820"   "5095192"   "5108792"   "5179677"   "5187771"   "5252132"   "5314541"   "5418885").PN.	USPAT	OR	ON	2003/07/25 11:51
S45	25	("4438723"   "4462332"   "4480585"   "4485125"   "4519339"   "4677738"   "4717586"   "4728528"   "4771015"   "4772486"   "4772570"   "4778692"   "4784874"   "4801468"   "4818563"   "4830890"   "4842897"   "4851302"   "4853251"   "4873125"   "4913928"   "4951602"   "4971832"   "5266116"   "5382531"). PN.	USPAT	OR	ON	2004/02/16 13:44
S46	38	"4951602".URPN.	USPAT	OR	ON	2004/02/16 13:49
S47	0	"6309161".URPN.	USPAT	OR	ON	2004/02/16 13:56
S48	4	("5944857"   "6042623"   "6048154"   "6059507").PN.	USPAT	OR	ON	2004/02/16 13:56
S49	2	("4477311"   "4587002").PN.	USPAT	OR	ON	2004/02/16 14:03
S50	21	"4587002".URPN.	USPAT	OR	ON	2004/02/16 14:06
S51	7	"5340454".URPN.	USPAT	OR	ON	2004/02/16 14:08
S52	13	("4795299"   "4917556"   "5228206"   "5423971"   "5529657"   "5611861"   "5755938"   "5759334"   "5855675"   "5863170"   "5880924"   "5882165"   "5886864").PN.	USPAT	OR	ON	2004/02/16 14:22
S53	115	414/221.ccls.	US-PGPUB; USPAT	OR	ON	2004/02/16 14:29
S54	126	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and ((bottom under underneath below) with (gas) with (purge curtain inert))	US-PGPUB; USPAT	OR	ON	2004/02/16 15:54
S55	10	"5997588".URPN.	USPAT	OR	ON	2004/02/16 15:33
S56	1	"4624738".PN.	USPAT	OR	OFF	2004/02/16 15:39
S57	13	("4209357"   "4503807"   "4624738"   "4718975"   "4816638"   "4869801"   "5044311"   "5236509"   "5620560"   "5997588"   "5998766"   "6089763"   "6488824").PN.	USPAT	OR	ON	2004/02/16 15:39
S58	63	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and (lower with (gas) with (purge curtain inert))	US-PGPUB; USPAT	OR	ON	2004/02/16 15:55
S59	5	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and (lower with (gas) with (curtain ))	US-PGPUB; USPAT	OR	ON	2004/02/17 10:50
S60	9	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and ((above below under underneath) with (gas) with (curtain ))	US-PGPUB; USPAT	OR	ON	2004/02/16 15:56
S61	1	"06185672"	JPO; DERWENT; IBM_TDB	OR	ON	2004/02/16 16:19
S62	2	"11195649"	JPO; DERWENT; IBM_TDB	OR	ON	2004/02/16 16:22
S63	2	"2000357678"	JPO; DERWENT; IBM_TDB	OR	ON	2004/02/16 16:29



S64	21	((("20020185067") or ("3618919") or ("4289061") or ("4438724") or ("4545136") or ("5172849") or ("5223113") or ("5626936") or ("5640936") or ("5640751") or ("5693288") or ("5746434") or ("5769952") or ("6045620") or ("6089543") or ("6200415") or ("6263829") or ("6280584") or ("6347918") or ("6506254") or ("20020185067") or ("20020195201")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/16 16:50
S65	1	"3618919".URPN.	USPAT	OR	ON	2004/02/16 16:41
S66	4	("1336499"   "2269645"   "3041056"   "3270655").PN.	USPAT	OR	ON	2004/02/16 16:41
S67	2	"63256460"	EPO; JPO; DERWENT	OR	ON	2004/02/16 16:50
S68	2	"08034678"	EPO; JPO; DERWENT	OR	ON	2004/02/16 16:50
S69	3	"2001082682"	EPO; JPO; DERWENT	OR	ON	2004/02/16 16:51
S70	2	"2001261375"	EPO; JPO; DERWENT	OR	ON	2004/02/16 16:51
S71	235	((gas inert purge) with (gate curtain)) with downstream	US-PGPUB; USPAT	OR	ON	2004/02/16 17:29
S72	82	((((gas inert purge) with (gate curtain)) with downstream)	EPO; JPO; DERWENT	OR	ON	2004/02/16 17:36
S73	4	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and (((gas inert purge) with (gate curtain)) with downstream)	US-PGPUB; USPAT	OR	ON	2004/02/16 17:31
S74	29	(substrate) and (((gas inert purge) with (gate curtain)) with downstream)	US-PGPUB; USPAT	OR	ON	2004/02/16 17:36
S75	1	("4313254").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/16 17:48
S76	3	gas with curtain with upper with lower with (perpendicular orthoganal normal)	US-PGPUB; USPAT	OR	ON	2004/02/16 20:01
S77	3	gas with curtain with upper with lower with (perpendicular\$4 orthoganal\$4 normal\$4)	US-PGPUB; USPAT	OR	ON	2004/02/16 18:09
S78	3	(inert purge gas) with curtain with upper with lower with (perpendicular\$4 orthoganal\$4 normal\$4)	US-PGPUB; USPAT	OR	ON	2004/02/16 18:10
S79	0	(inert purge gas) with curtain with upper with lower with (perpendicular\$4 orthoganal\$4 normal\$4)	EPO; JPO; DERWENT	OR	ON	2004/02/16 18:10
S80	48	(inert purge gas) with curtain with upper with lower	EPO; JPO; DERWENT	OR	ON	2004/02/16 18:10
S81	84	gas with curtain with upper with lower	US-PGPUB; USPAT	OR	ON	2004/02/16 18:52
S82	8	"5125556".URPN.	USPAT	OR	ON	2004/02/16 18:26
S83	10	"5997588".URPN.	USPAT	OR	ON	2004/02/16 18:31
S84	48	("3314393"   "3635757"   "3659551"   "3660179"   "3672948"   "3696779"   "3785853"   "3893876"   "3925118"   "4048955"   "4116733"   "4438723"   "4438724"   "4450786"   "4459104"   "4480585"   "4500407"   "4537795"   "4543059"   "4682565"   "4803948"   "4821674"   "4823480"   "4824309"   "4836138"   "4949669"   "4950156"   "5064367"   "5080549"   "5105762"   "5147168"   "5156521"   "5259883"   "5266116"   "5312490"   "5316794"   "5344542"   "5352293"   "5363872"   "5370736"   "5374313"   "5382127"   "5388944"   "5388945"   "5390785"   "5411358"   "5411593"   "5425812").PN.	USPAT	OR	ON	2004/02/16 18:32
S85	10	"3314393".URPN.	USPAT	OR	ON	2004/02/16 18:33
S86	31	"4048955".URPN.	USPAT	OR	ON	2004/02/16 18:36
S87	0	osamu-takeuchi.in.	US-PGPUB; USPAT	OR	ON	2004/02/16 18:53
S88	0	osamu-takeuchi.in.	EPO; JPO; DERWENT	OR	ON	2004/02/16 18:53

S89	0	osamu-takeuchi.in.	US-PGPUB; USPAT	OR	ON	2004/02/16 18:53
S90	0	osamu-takeuchi.in.	EPO; JPO; DERWENT	OR	ON	2004/02/16 18:53
S91	318	takeuchi-osamu.in.	EPO; JPO; DERWENT	OR	ON	2004/02/16 18:53
S92	29	takeuchi-osamu.in.	US-PGPUB; USPAT	OR	ON	2004/02/16 18:53
S93	10	((inert purge gas) with curtain) same (gate with valve)	US-PGPUB; USPAT	OR	ON	2004/02/16 19:18
S94	8	("4533820"   "5095192"   "5108792"   "5179677"   "5187771"   "5252132"   "5314541"   "5418885").PN.	USPAT	OR	ON	2004/02/16 19:20
S95	15	"5592581".URPN.	USPAT	OR	ON	2004/02/16 19:21
S96	12	((inert purge gas) with curtain) same (gate with valve)	EPO; JPO; DERWENT	OR	ON	2004/02/16 19:37
S97	1	("5592581").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/02/17 10:47
S98	2	dando-ross.in. carpenter-craig.in. campbell-philip.in.	US-PGPUB; USPAT	OR	ON	2005/03/29 10:25
S99	30	dando-ross-s.in. carpenter-craig.in. campbell-philip.in.	US-PGPUB; USPAT	OR	ON	2005/03/29 10:26
S10 0	50	dando-ross-s.in. carpenter-craig-m.in. campbell-philip-h.in.	US-PGPUB; USPAT	OR	ON	2004/02/16 20:02
S10 1	1430	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and (subatmospheric vacuum)	US-PGPUB; USPAT	OR	ON	2004/02/17 10:50
S10 2	459	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and ((subatmospheric vacuum) with transfer\$4 with chamber)	US-PGPUB; USPAT	OR	ON	2004/02/17 10:53
S10 3	185	(c23c016\$.ipc.) and ((subatmospheric vacuum) with transfer\$4 with chamber)	EPO; JPO; DERWENT	OR	ON	2004/02/17 10:53
S10 4	188	(414/939.ccls. 118/719.ccls. 156/345.31.ccls. 156/345.32.ccls. 414/221.ccls.) and ((subatmospheric vacuum) with (transfer\$4 adj; chamber))	US-PGPUB; USPAT	OR	ON	2004/02/17 10:53
S10 5	59	(c23c016\$.ipc.) and ((subatmospheric vacuum) with (transfer\$4 adj chamber))	EPO; JPO; DERWENT	OR	ON	2004/02/17 11:13
S10 6	2	"2002198412"	EPO; JPO; DERWENT	OR	ON	2004/02/17 11:15
S10 7	2	1994-213066	EPO; JPO; DERWENT	OR	ON	2004/02/17 11:15
S10 8	2	"06151558"	EPO; JPO; DERWENT	OR	ON	2004/02/17 11:15
S10 9	1	("5592581").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 13:13
S11 0	1	("6673196").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 13:55
S11 1	1	("6673196").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 13:57
S11 2	7	((valve gate) with (purg\$3 inert) with gas with (upstream downstream)) and ((transfer\$4 convey\$3 transport\$3) with chamber)	EPO; JPO; DERWENT	OR	ON	2004/07/19 17:47
S11 3	84	((valve gate) with (purg\$3 inert) with gas with (upstream downstream)) and ((transfer\$4 convey\$3 transport\$3) with chamber)	US-PGPUB; USPAT	OR	ON	2004/07/19 14:28

S11 4	1	("5449491").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 14:28
S11 5	1	("5445491").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 14:28
S11 6	37	"5445491".URPN.	USPAT	OR	ON	2004/07/19 14:29
S11 7	8	"5562800".URPN.	USPAT	OR	ON	2004/07/19 15:16
S11 8	2	("4477311"   "4587002").PN.	USPAT	OR	ON	2004/07/19 15:23
S11 9	13	("4533410"   "4951601"   "5013683"   "5281274"   "5298452"   "5310698"   "5527733"   "5793109"   "5916365"   "6048781"   "6056849"   "6207005"   "6319553"   "2002/0108714").PN.	USPAT	OR	ON	2004/07/19 15:31
S12 0	0	"6541353".URPN.	USPAT	OR	ON	2004/07/19 15:34
S12 1	1	("3575398").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/19 15:55
S12 2	11	"3575398".URPN.	USPAT	OR	ON	2004/07/19 15:45
S12 3	7	"4898319".URPN.	USPAT	OR	ON	2004/07/19 15:52
S12 4	8	("0549235"   "1357790"   "1851831"   "3039407"   "3142272"   "3270655"   "3356541"   "3387600").PN.	USPAT	OR	ON	2004/07/19 15:54
S12 5	390	((gate shutter valve) with (purg\$3 inert curtain) with (passage\$3 between)) and ((transfer\$4 transport\$4 convey\$4) with chamber) and (deposit\$3 coat\$3 etch\$3 sputter\$3 "cvd")	US-PGPUB; USPAT	OR	ON	2004/07/19 16:16
S12 6	3	"04063414"	EPO; JPO; DERWENT	OR	ON	2004/07/19 16:20
S12 7	2	"62147726"	EPO; JPO; DERWENT	OR	ON	2004/07/19 16:26
S12 8	0	(typically conventionally) with (semiconductor) with processing with vacuum	EPO; JPO; DERWENT	OR	ON	2004/07/19 16:26
S12 9	144	(typically conventionally) with (semiconductor) with processing with vacuum	US-PGPUB; USPAT	OR	ON	2004/07/19 16:27
S13 0	83	((typically conventionally) with (semiconductor) with processing with vacuum) and ("chemical vapor deposition" "cvd")	US-PGPUB; USPAT	OR	ON	2004/07/19 17:46
S13 1	64	"4871417".URPN.	USPAT	OR	ON	2004/07/19 17:26
S13 2	8	("3041225"   "3594230"   "3990462"   "4028135"   "4183780"   "4510176"   "4591485"   "4682614").PN.	USPAT	OR	ON	2004/07/19 17:42
S13 3	0	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (118/715-733.ccls. 156/345.\$ccls. 204/298.\$ccls. 414/935-941. ccls.)	EPO; JPO; DERWENT	OR	ON	2004/07/19 17:49
S13 4	62	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (118/715-733.ccls. 156/345.\$ccls. 204/298.\$ccls. 414/935-941. ccls.)	US-PGPUB; USPAT	OR	ON	2004/07/19 19:16
S13 5	40	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (c23c016\$.ipc.)	US-PGPUB; USPAT	OR	ON	2004/07/20 11:17
S13 6	4	("4636401"   "4960720"   "5478780"   "5670798").PN.	USPAT	OR	ON	2004/07/19 18:17
S13 7	1	"5940684".URPN.	USPAT	OR	ON	2004/07/19 18:18



S13 8	4	"6016611".URPN.	USPAT	OR	ON	2004/07/19 18:28
S13 9	1	"5516367".PN.	USPAT	OR	ON	2004/07/19 18:29
S14 0	0	"20030230322".URPN.	USPAT	OR	ON	2004/07/19 19:07
S14 1	15	("5512320"   "5609689"   "5902088"   "5909994"   "5944857"   "5997588"   "6048154"   "6059893"   "6110232"   "6113698"   "6140256"   "6202318"   "6235656"   "6338626"   "6435868"). PN.	USPAT	OR	ON	2004/07/19 19:09
S14 2	0	"6672864".URPN.	USPAT	OR	ON	2004/07/19 19:10
S14 3	1	("6016611").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/20 09:28
S14 4	4	"6016611".URPN.	USPAT	OR	ON	2004/07/20 09:28
S14 5	1	"5516367".PN.	USPAT	OR	ON	2004/07/20 09:31
S14 6	44	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (118/715-733.ccls. 156/345\$.ccls. 204/298\$.ccls. 414/935-941. ccls.) ) not (((gate shutter valve) with (purg\$3 inert curtain) with (passage\$3 between)) and ((transfer\$4 transport\$4 convey\$4) with chamber) and (deposit\$3 coat\$3 etch\$3 sputter\$3 "cvd"))	US-PGPUB; USPAT	OR	ON	2004/07/20 09:36
S14 7	2	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (c23c016\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2004/07/20 12:56
S14 8	3	("5013385"   "5076205"   "5302209").PN.	USPAT	OR	ON	2004/07/20 10:08
S14 9	13	"5981399".URPN.	USPAT	OR	ON	2004/07/20 10:09
S15 0	1	("5374313").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/20 10:19
S15 1	3	("5013385"   "5076205"   "5302209").PN.	USPAT	OR	ON	2004/07/20 11:09
S15 2	12	("4512391"   "5002010"   "5186718"   "5474410"   "5509464"   "5512320"   "5516367"   "5607009"   "5609689"   "5698989"   "5707500"   "5837555").PN.	USPAT	OR	ON	2004/07/20 11:13
S15 3	0	"6602348".URPN.	USPAT	OR	ON	2004/07/20 11:14
S15 4	2	((gas) with (curtain purg\$3 inert) with (gate valve slit)) and ((transfer\$4 convey\$3 transport\$3) with passage\$3) and (c23c016\$.ipc.)	EPO; JPO; DERWENT	OR	ON	2004/07/20 11:29
S15 5	1	("5562800").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/20 13:15
S15 6	0	karla and moore and (slit with valve with passage\$3)	US-PGPUB; USPAT	OR	ON	2004/07/20 13:16
S15 7	5	karla and moore and (slit with valve)	US-PGPUB; USPAT	OR	ON	2004/07/20 13:17
S15 8	61	karla and moore	US-PGPUB; USPAT	OR	ON	2004/07/20 15:08
S15 9	64	kawamura.in. and (transfer\$4 with chamber)	US-PGPUB; USPAT	OR	ON	2004/07/20 15:51
S16 0	1	("6192827").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/07/20 15:51

S16 4	4	okase.in. and 392/418.ccls.	US-PGPUB; USPAT	OR	ON	2005/04/04 13:34
S16 5	11	("5520742"   "5534073"   "5578132"   "5581874"   "5592581"   "5628859"   "5647945"   "5650082"   "5681614"   "5683518"   "5710407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 01:24
S16 6	21	("6111225").URPN.	USPAT	OR	ON	2005/03/29 01:45
S16 7	21	("6111225").URPN.	USPAT	OR	ON	2005/03/29 01:48
S16 8	9	("4535228"   "4780174"   "5194401"   "5427625"   "5536918"   "5592581"   "5651670"   "5772770"   "5777300").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/03/29 01:49
S16 9	30	("5194401").URPN.	USPAT	OR	ON	2005/03/29 01:52
S17 0	30	("5194401").URPN.	USPAT	OR	ON	2005/03/29 05:31
S17 1	21	("6111225").URPN.	USPAT	OR	ON	2005/03/29 08:03
S17 2	12	("20010054484" "20040007188" "4871417" "4949669" "495180 2" "5498292" "5538317" "5940684" "6016611" "6309161" "6562 141" "6602346" "6638672" "6673196").PN.	USPAT	OR	ON	2005/03/29 08:12
S17 3	37	((("3618919") or ("4289061") or ("4438724") or ("4545136") or ("4948979") or ("5076205") or ("5172849") or ("5223113") or ("5364210") or ("5445491") or ("5562800") or ("5626936") or ("5640751") or ("5592581") or ("5693288") or ("5746434") or ("5769952") or ("5820641") or ("5827370") or ("5997588") or ("6045620") or ("6089543") or ("6174366") or ("6178660") or ("6192827") or ("6193802") or ("6194628") or ("6197119") or ("6200415") or ("6255222") or ("6263829") or ("6280584") or ("6347618") or ("6506254") or ("6541353") or ("20020185067") or ("20020195201")).PN.	US-PGPUB; USPAT	OR	OFF	2005/03/29 08:25
S17 4	4	10/082,599	US-PGPUB; USPAT	OR	ON	2005/03/29 08:26
S17 5	5	10/132,003	US-PGPUB; USPAT	OR	ON	2005/03/29 08:26
S17 6	4	10/365,085	US-PGPUB; USPAT	OR	ON	2005/03/29 08:26
S17 7	5	("5640751").URPN.	USPAT	OR	ON	2005/03/29 08:37
S17 8	2	"63256460"	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:38
S17 9	2	"08034678"	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:38
S18 0	3	"2001082682"	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:38
S18 1	2	"2001261375"	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:40
S18 2	163	(substrate wafer semiconductor workpiece) with (shield\$3 lin\$3) with (protect\$3 prevent\$3 prohibit\$3 cover\$3) with (wall chamber side\$1wall) with (hole opening)	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:41
S18 3	341	(substrate wafer semiconductor workpiece) with (shield\$3 lin\$3) with (protect\$3 prevent\$3 prohibit\$3 cover\$3) with (wall chamber side\$1wall) with (hole opening)	US-PGPUB; USPAT	OR	ON	2005/03/29 08:42
S18 4	81	(substrate wafer semiconductor workpiece) with (shield\$3 lin\$3) with (protect\$3 prevent\$3 prohibit\$3 cover\$3) with (wall chamber side\$1wall) with (hole opening) with (cross\$1section area siz\$3 shap\$3)	US-PGPUB; USPAT	OR	ON	2005/03/29 08:45
S18 5	31	(substrate wafer semiconductor workpiece) with (shield\$3 lin\$3) with (protect\$3 prevent\$3 prohibit\$3 cover\$3) with (wall chamber side\$1wall) with (hole opening) with (cross\$1section area siz\$3 shap\$3)	EPO; JPO; DERWENT	OR	ON	2005/03/29 08:42



S18 6	2	dando-ross.in. carpenter-craig.in. campbell-philip.in.	US-PGPUB; USPAT	OR	ON	2005/03/29 10:25
S18 7	60	dando-ross-s.in. carpenter-craig.in. campbell-philip.in.	US-PGPUB; USPAT	OR	ON	2005/03/29 10:26
S18 8	15	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (insulat\$4 with teflon)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:04
S18 9	1	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (interface with teflon)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:05
S19 0	1	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (interfac\$4 with teflon)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:05
S19 1	0	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (interfac\$4 with polytetrafluoroethylene)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:05
S19 2	1	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (interfac\$4 with polytetrafluoroethylene)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:06
S19 3	2	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and (interfac\$4 with (polytetrafluoroethylene "PTFE" teflon))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:06
S19 4	134	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ( (polytetrafluoroethylene "PTFE" teflon))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:37
S19 5	95	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ( (polytetrafluoroethylene "PTFE" teflon) and transfer\$4)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:07
S19 6	9	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ( (polytetrafluoroethylene "PTFE" teflon) same transfer\$4)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:09
S19 7	3	(((118/719) or (156/345.31) or (156/345.32)).CCLS.) and ( (polytetrafluoroethylene "PTFE" teflon) same gate)	US-PGPUB; USPAT	OR	ON	2005/03/29 12:09
S19 8	635	("insulating plate") and ( (polytetrafluoroethylene "PTFE" teflon))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:37
S19 9	50	("insulating plate") with ( (polytetrafluoroethylene "PTFE" teflon))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:37
S20 0	25	(wafer substrate semiconductor workpiece) and (("insulating plate") with (polytetrafluoroethylene "PTFE" teflon))	US-PGPUB; USPAT	OR	ON	2005/03/29 12:38